



Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1221332  
OIL & GAS CONSERVATION DIVISION

Form ACO-1

August 2013

Form must be Typed  
Form must be Signed  
All blanks must be Filled

WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # \_\_\_\_\_

Name: \_\_\_\_\_

Address 1: \_\_\_\_\_

Address 2: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_ + \_\_\_\_\_

Contact Person: \_\_\_\_\_

Phone: ( \_\_\_\_\_ ) \_\_\_\_\_

CONTRACTOR: License # \_\_\_\_\_

Name: \_\_\_\_\_

Wellsite Geologist: \_\_\_\_\_

Purchaser: \_\_\_\_\_

Designate Type of Completion:

- New Well       Re-Entry       Workover
- Oil       WSW       SWD       SIOW
- Gas       D&A       ENHR       SIGW
- OG       GSW       Temp. Abd.
- CM (Coal Bed Methane)
- Cathodic       Other (Core, Expl., etc.): \_\_\_\_\_

If Workover/Re-entry: Old Well Info as follows:

Operator: \_\_\_\_\_

Well Name: \_\_\_\_\_

Original Comp. Date: \_\_\_\_\_ Original Total Depth: \_\_\_\_\_

- Deepening       Re-perf.       Conv. to ENHR       Conv. to SWD
- Plug Back       Conv. to GSW       Conv. to Producer
- Commingled      Permit #: \_\_\_\_\_
- Dual Completion      Permit #: \_\_\_\_\_
- SWD      Permit #: \_\_\_\_\_
- ENHR      Permit #: \_\_\_\_\_
- GSW      Permit #: \_\_\_\_\_

Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date
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API No. 15 - \_\_\_\_\_

Spot Description: \_\_\_\_\_

\_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

\_\_\_\_\_ Feet from  North /  South Line of Section

\_\_\_\_\_ Feet from  East /  West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE       NW       SE       SW

GPS Location: Lat: \_\_\_\_\_, Long: \_\_\_\_\_  
(e.g. xx.xxxxx)      (e.g. -xxx.xxxxx)

Datum:  NAD27       NAD83       WGS84

County: \_\_\_\_\_

Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Field Name: \_\_\_\_\_

Producing Formation: \_\_\_\_\_

Elevation: Ground: \_\_\_\_\_ Kelly Bushing: \_\_\_\_\_

Total Vertical Depth: \_\_\_\_\_ Plug Back Total Depth: \_\_\_\_\_

Amount of Surface Pipe Set and Cemented at: \_\_\_\_\_ Feet

Multiple Stage Cementing Collar Used?  Yes  No

If yes, show depth set: \_\_\_\_\_ Feet

If Alternate II completion, cement circulated from: \_\_\_\_\_

feet depth to: \_\_\_\_\_ w/ \_\_\_\_\_ sx cmt.

Drilling Fluid Management Plan

*(Data must be collected from the Reserve Pit)*

Chloride content: \_\_\_\_\_ ppm Fluid volume: \_\_\_\_\_ bbls

Dewatering method used: \_\_\_\_\_

Location of fluid disposal if hauled offsite: \_\_\_\_\_

Operator Name: \_\_\_\_\_

Lease Name: \_\_\_\_\_ License #: \_\_\_\_\_

Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

County: \_\_\_\_\_ Permit #: \_\_\_\_\_

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY

- Confidentiality Requested  
Date: \_\_\_\_\_
- Confidential Release Date: \_\_\_\_\_
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT  I  II  III Approved by: \_\_\_\_\_ Date: \_\_\_\_\_

1221332

Operator Name: \_\_\_\_\_ Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West County: \_\_\_\_\_

**INSTRUCTIONS:** Show important tops of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken <i>(Attach Additional Sheets)</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input type="checkbox"/> No			
Electric Log Run	<input type="checkbox"/> Yes <input type="checkbox"/> No			
List All E. Logs Run:				

CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate				
<input type="checkbox"/> Protect Casing				
<input type="checkbox"/> Plug Back TD				
<input type="checkbox"/> Plug Off Zone				

Did you perform a hydraulic fracturing treatment on this well?  Yes  No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons?  Yes  No *(If No, skip question 3)*

Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry?  Yes  No *(If No, fill out Page Three of the ACO-1)*

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth

TUBING RECORD: Size: \_\_\_\_\_ Set At: \_\_\_\_\_ Packer At: \_\_\_\_\_ Liner Run:  Yes  No

Date of First, Resumed Production, SWD or ENHR: \_\_\_\_\_ Producing Method:  Flowing  Pumping  Gas Lift  Other *(Explain)* \_\_\_\_\_

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

<b>DISPOSITION OF GAS:</b> <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	<b>METHOD OF COMPLETION:</b> <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	<b>PRODUCTION INTERVAL:</b> _____ _____
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Form	ACO1 - Well Completion
Operator	Farmer, John O., Inc.
Well Name	Waugh A 1
Doc ID	1221332

Tops

Name	Top	Datum
Mississippi	2316'	(-989)
Kinderhook	2656'	(-1329)
Hunton	2794'	(-1467)
Maquoketa	2834'	(-1507)
Viola	2900'	(-1573)
Simpson Dolomite	3006'	(-1679)
Simpson Sand	3023'	(-1696)
Arbuckle	3075'	(-1748)
L.T.D.	3140'	(-1813)



# Well File

Waugh A # 1

Open Hunton, convert to SWDW

6-23-14 Rig up J & M Well Service.

6-24-14 O P Trucking, delivered 99 jts 2 7/8" new LS tubing from Buckeye Supply in Russell. Rig up Gemini Wireline LLC, perforated Hunton Zone 2794-98' ( 4' ) ( 4 SPF ) with screw port gun. Run 2 7/8" tubing with Reinhardt's Services plug and packer. Set plug at 2860', packer at 2760'. Swab down, swabbed for 1 hour recovered 36 bbls fluid, 100% water. Lower packer to 2820', swab dry. ( Plug holding ). Start to pull tubing. Shut down.

6-25-14 Finish pulling tubing, packer and plug. Rerun tubing with packer, set packer at 2695'. MAI Excavating dug workover pit, 10' wide, 30' long, 5' deep. Put in pit liner. Rig up Consolidated Oilwell Services LLC, test plug and packer to 1500#, held. Raise packer to 2695', establish injection rate of 2.5 bpm at 600# Mix and pump 140 sxs Common cement, to squeeze off Viola and Hunton Perfs. Cement pressured to 1500#, displace 1 bbl, locked up at 1800#, wash clean, pull 3 jts tubing, repressure to 500#, shut in. Shut down.

6-27-14 Pull tubing and packer. Shut down.

6-30-14 Run 2 7/8" tubing with 4 7/8" rock bit to 2700', rig up Golden B Hydro, mud pump and power swivel, drill cement from 2700-2918'. Circulate clean, pressure to 500#, lost 30# in 1 hour. Run to 3117', circulate hole clean. Pull tubing and bit. Shut down.

7-1-14 Rig up Gemini Wireline LLC, perforate Arbuckle Zone 3076-92' ( 16' ) ( 4 SPF ) with expendable charges. Run tubing with Reinhardt's Services packer to 3094', hookup RPM Services LLC, acid pump truck, circulate acid over Arbuckle perfs, raise packer to 3045', treat with 1000 gallons 28% DWA and 20 bbls KCL over flush. Treated:

Pressure	Rate	
1400#	.5 bpm	Broke and feeding
1100#	.5 bpm	Break
1250#	1.5 bpm	Increase rate
1000#	2.5 bpm	Break
1300#	4.3 bpm	

ISIP 700#, 5 minutes 100#, 10 minutes .5 bpm vac. Total load pumped 63 bbls. Pull tubing and packer. Shut down.

7-2-14 MAI Excavating, moved work string out. Unloaded 110 jts 2 3/8" duolined tubing Run 2 3/8"

8rd EUE duolined tubing and packer:

15.00' 2 3/8" fiberglass tubing for tail pipe

2.00' Arrow SL packer ( Top to center of rubber ) ( Sealtite lining )

3050.91' 96 jts 2 3/8" 8rd EUE duolined tubing ( Used reconditioned by GPI )

8.00' KB

Hookup Shanes Tank Service, pump truck, pump 65 bbls treated fresh water down annulus, set packer, fill annulus with water, pressure to 300#, held. MIT witnessed by Taylor Herman, KCC rep. Rig down and move off. Packer is set at 3060.91' with 22,000# tension.

  
Val Dreher Production foreman